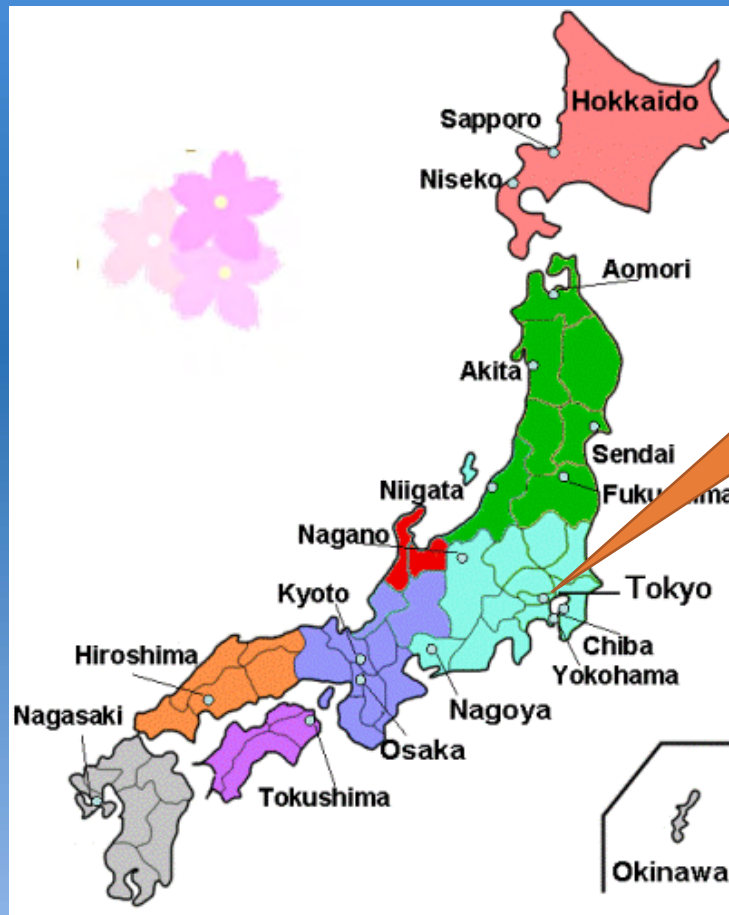


# SANMI CORPORATION

Specialist of  
Fluid and Gas Treatment Plant  
In Japan  
*Since 1950*

# SANMI CORPORATION – COMPANY PROFILE

We started manufacturing oil and gas treatment plant since 1950

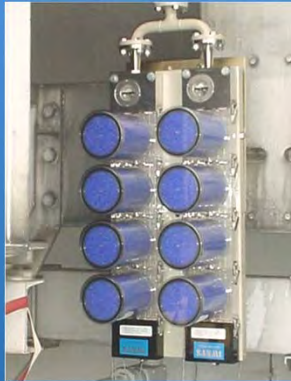


Tokyo factory & head office



# SANMI PRODUCTS APPLICATION

2008~



New Breather

2009~



New Total Acid Value

2010~



On-Line Vacuum Oil Purifier

2011~



Fuller's Earth Oil  
Regeneration Unit

1950~



ALSO

1958~



ALSO Hot Line Oil Purifier

1960~



High Vacuum Oil Purifier

1984~



Dissolved gases Analyzer

## ELECTRIC POWER APPARATUS – TYPICAL PRODUCT

Sanmi's equipment has been contributed to Japanese Electric Power Industry. All our products certified by Japan Power Electrical Community.

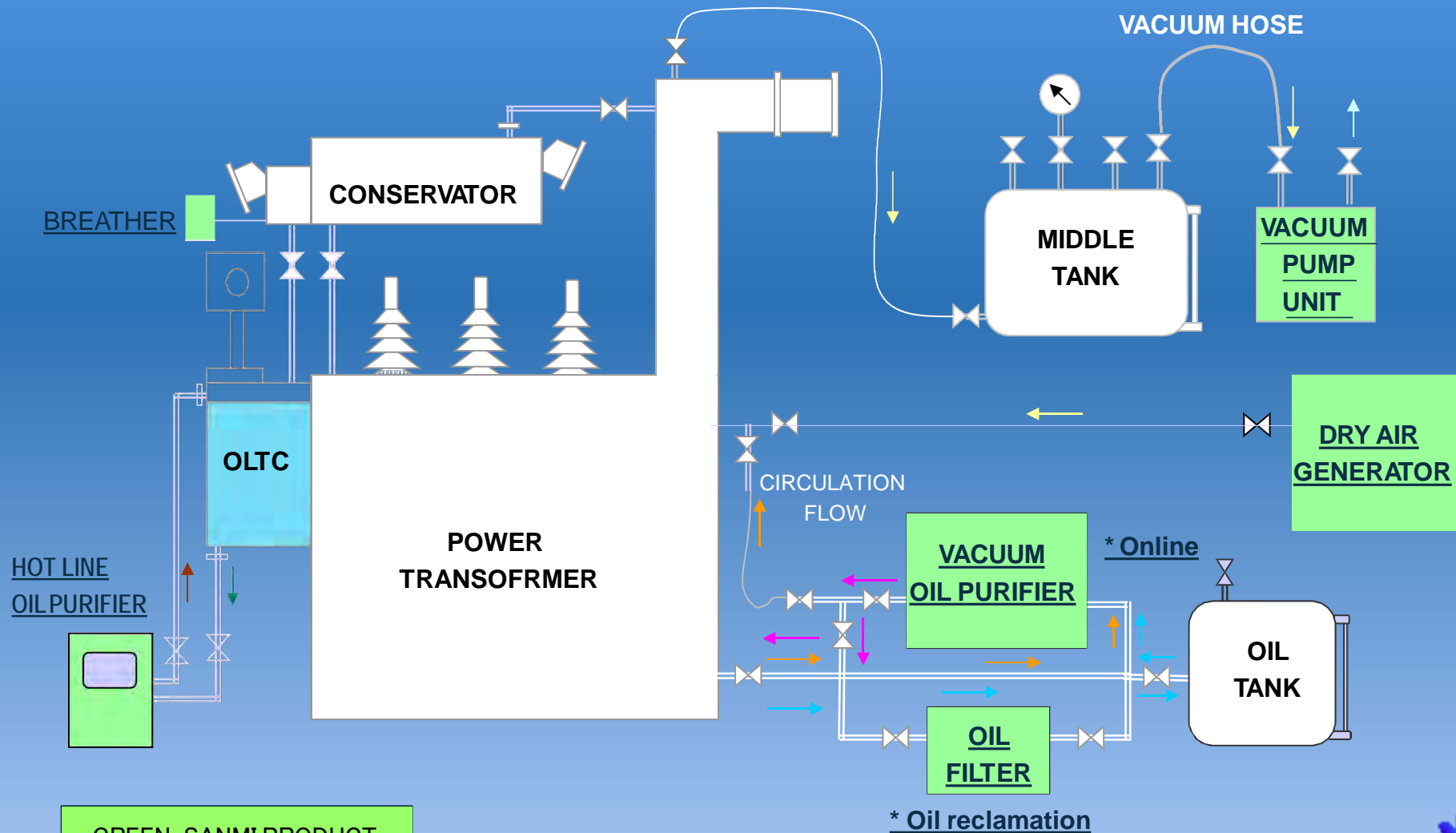


High Vacuum Oil Purifier

Hot Line Oil Purifier for OLTC



# SANMI PRODUCTS APPLICATION



# HIGH VACUUM OIL PURIFIER

Preventative Maintenance for Power Transformer and oil-filled electrical apparatus



- Applicable oil type:
  - ✓ Transformer insulating oil
  - ✓ High flash point insulation oil
  - ✓ Cable oil
  - ✓ Silicon oil
  
- Treatment capacity:
  - ✓ 500 ~ 20,000 LPH
  
- Performance:
  - ✓ Water content:
    - ◆ 50 ppm => 5 ppm
  - ✓ Gas content:
    - ◆ 10 % => 0.1%
  - ✓ Dielectric breakdown voltage:
    - ◆ 20kV => 70 kV

# HIGH VACUUM OIL PURIFIER

Preventative Maintenance for Power Transformer and oil-filled electrical apparatus

Treatment capacity: 500 LPH ~ 20,000 LPH



Model: HVS-20000S  
Capacity: 20,000 L/H



Model: VSD-20000  
Capacity: 20,000 L/H

# HIGH VACUUM OIL PURIFIER

Preventative Maintenance for Power Transformer and oil-filled electrical apparatus

Treatment capacity: 500 LPH ~ 20,000 LPH



Model: VSD-12000MES  
Capacity: 12000 L/H



Model: VSD-12000T  
Capacity: 12,000 L/H

## HIGH VACUUM OIL PURIFIER



**HYUNDAI, USA MODEL: HVS-6000SA**



**Ho Chih Min City Power, VIETNAM  
MODEL: ESOP VSD-4000E, (4000 L/H)**



**EGAT, THAILAND  
MODEL: VSD-12000MES, (12,000 L/H)**



**SP POWERGRID, SINGAPORE  
MODEL: VS-6000MES, (6000 L/H)**

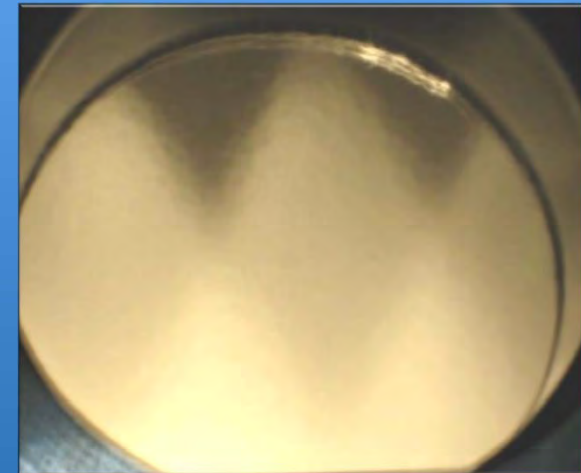
# GOOD POINT-HIGH VACUUM OIL PURIFIER



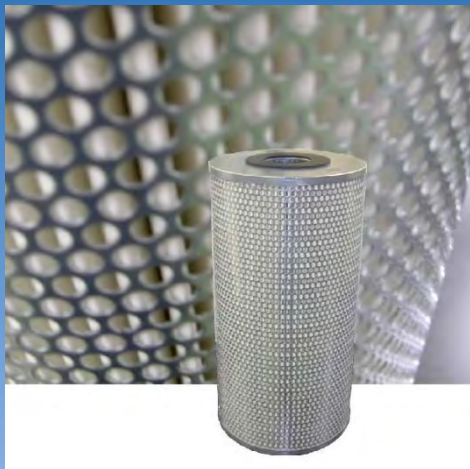
**NIGHT LIGHTING**



**LED SWITCH**



**NOZZLE SPRAY**



**High Performance  
Filter Element**



**Ground Earth Terminal**

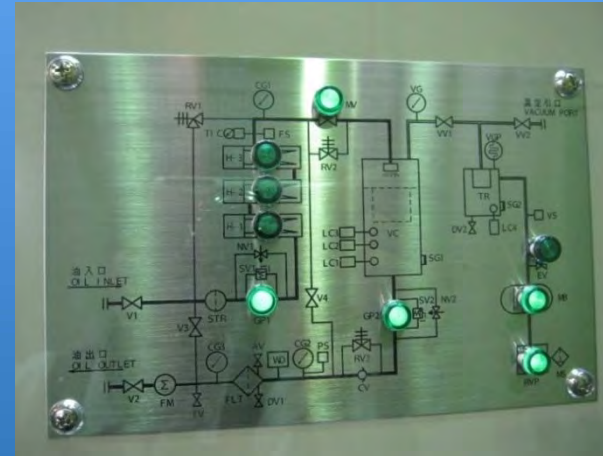


**DIGITAL TIC**

# MORE OPTIONS-HIGH VACUUM OIL PURIFIER



VACUUM PORT: Evacuate transformer



MIMIC GRAPHIC: Monitor operation



ERROR INDICATOR: Light up error reason

# HERMETIC TANK TYPE OIL FILTER

Under hermetic condition to effectively remove impurities, dust and free moisture from the oil.

**THREE TYPE FOR SELECTION: SF , SMF & DFL**



SF TYPE



SMF TYPE



DFL TYPE

# HERMETIC TANK TYPE OIL FILTER

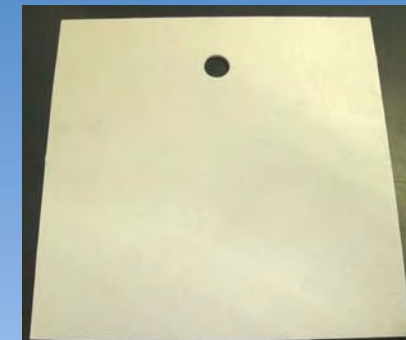
Under hermetic condition to effectively remove impurities, dust and free moisture from the oil.

## THREE TYPE FOR SELECTION: SF , SMF & DFL



SF TYPE

- Using filter frames and filter paper
- Cost efficient
- Easy to operate and move around
- Continuous operation
- Easy maintenance



# WHY CHOOSE SANMI

- ✓ Japanese leading brand
- ✓ Over 65 years experience in oil treatment
- ✓ Machine well designed with less operation costs
- ✓ After-service
  - Strong technical support from Sanmi
  - Local technical support
  - Easy to get spare parts



# OUR JAPAN MAJOR CUSTOMERS

## ELECTRIC POWER COMPANIES

TOKYO ELECTRIC POWER CO.  
THE KANSAI ELECTRIC POWER CO.  
TOHOKU ELECTRIC POWER CO.  
CHUBU ELECTRIC POWER CO., LTD.  
KYUSHU ELECTRIC POWER CO.  
OKINAWA ELEC POWER CO., LTD.  
ELECTRIC POWER DEVELOPMENT  
SHIKOKU ELEC POWER CO., LTD.  
THE JAPAN ATOMIC POWER CO. Etc..



## TRANSFORMER MANUFACTURER





# CUSTOMER IN INDONESIA

## ELECTRIC POWER COMPANIES

PLN – BALIPAPAN  
PLN – MUARA TAWAR PP  
PLN – SURARAYA PP  
INDONESIA POWER – SURARAYA PP  
PT. PAITON ENERGY  
PT. JAWA POWER  
PT. WAYANG WINDU  
PLTA. JATILUHUR etc.

## TRANSFORMER MANUFACTURER & ENGINEERING

PT. INDOKOMAS  
PT. IPSI KARYA ABADI  
PT. MARDIKA SARANA ENGINEERING  
PT. MULYA JATRA  
PT. SERBAPRIMA  
PT. TRAFINDO  
PT. UNINDO



# CUSTOMER IN INDONESIA

PT. INALUM

PT. INDAH KIAT PULP & PAPER

PERTAMINA

PT. KUBOTA INDONESIA

PT. HIMALAYA EVEREST

DAIWOO ENGINEERING – PAPUA NYUKIA

ASIA PAPER & PULP – OKI PLANT

Etc.

# SANMI SUPERVISOR SERVICE



# SANMI FACTORY VISITING



# SANMI FACTORY VISITING PT MULYA JATRA

